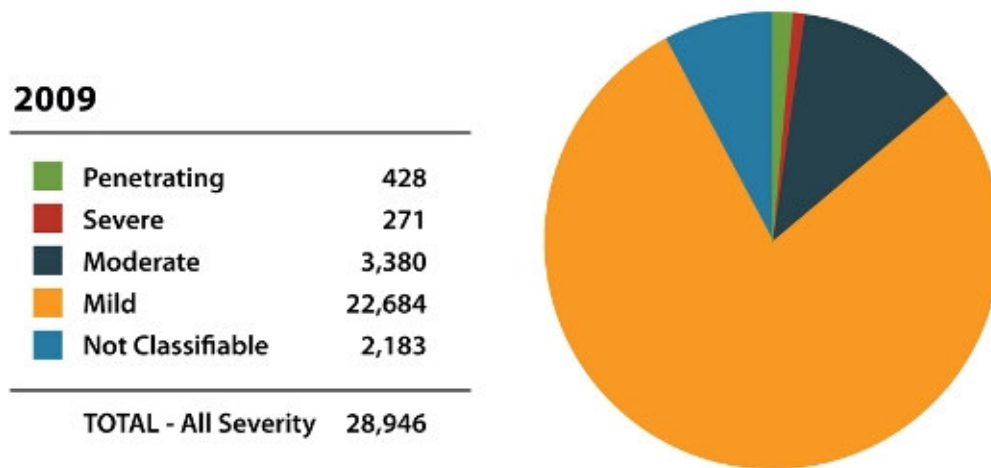


## 2009: TBI Categories (Penetrating/Severe/Moderate/Mild/Not Classifiable):



**Concussion/Mild TBI is characterized by the following:** A confused or disoriented state which lasts less than 24 hours; loss of consciousness for up to 30 minutes; memory loss lasting less than 24 hours; and structural brain imaging (MRI or CT scan) yielding normal results.

**Moderate TBI is characterized by the following:** A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 30 minutes, but less than 24 hours; memory loss lasting greater than 24 hours but less than seven days; and structural brain imaging yielding normal or abnormal results.

**Severe TBI is characterized by the following:** A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

**Penetrating TBI, or open head injury, is a head injury in which the dura mater, the outer layer of the meninges, is penetrated. Penetrating injuries can be caused by high-velocity projectiles or objects of lower velocity such as knives, or bone fragments from a skull fracture that are driven into the brain.**

*Numbers for 2009, updated as of 20 May 2010.*

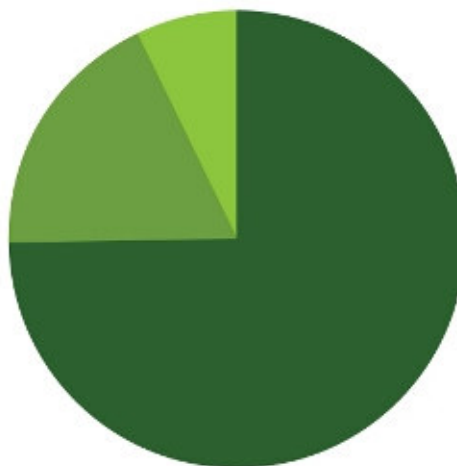
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)

Prepared by Armed Forces Health Surveillance Center (AFHSC)

## 2009: Army Breakdown

### 2009 Army

Active	14,067
Guard	3,443
Reserves	1,307
<hr/>	
TOTAL - Army	18,817



Service	Component	Severity	2009
Army	Active	Penetrating	269
		Severe	143
		Moderate	1,621
		Mild	10,262
		Not Classifiable	1,772
	Guard	Penetrating	57
		Severe	32
		Moderate	490
		Mild	2,711
		Not Classifiable	153
	Reserves	Penetrating	15
		Severe	11
		Moderate	182
		Mild	1,011
		Not Classifiable	88

Numbers for 2009, updated as of 20 May 2010.

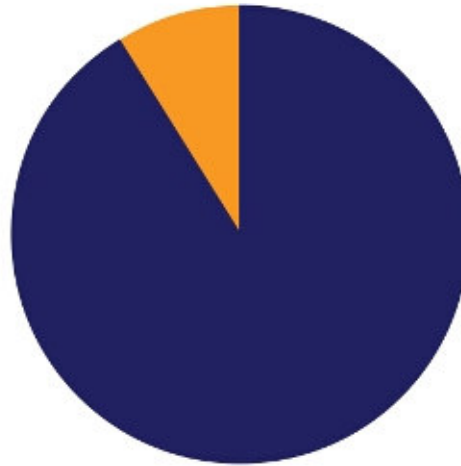
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)

Prepared by Armed Forces Health Surveillance Center (AFHSC)

## 2009: Navy Breakdown

### 2009 Navy

■ Active	2,783
■ Reserves	269
<hr/>	
TOTAL - Navy	3,052



Service	Component	Severity	2009
Navy	Active	Penetrating	24
		Severe	15
		Moderate	266
		Mild	2,430
		Not Classifiable	48
	Reserves	Penetrating	2
		Severe	3
		Moderate	40
		Mild	223
		Not Classifiable	1

*Numbers for 2009, updated as of 20 May 2010.*

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)

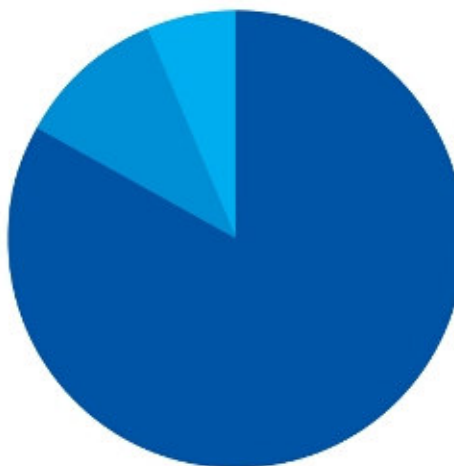
Prepared by Armed Forces Health Surveillance Center (AFHSC)

## 2009: Air Force Breakdown

### 2009 Air Force

Active	2,693
Guard	339
Reserves	200

**TOTAL - Air Force** 3,232



Service	Component	Severity	2009
Air Force	Active	Penetrating	19
		Severe	22
		Moderate	270
		Mild	2,356
		Not Classifiable	26
	Guard	Penetrating	2
		Severe	1
		Moderate	35
		Mild	297
		Not Classifiable	4
	Reserves	Penetrating	1
		Severe	2
		Moderate	29
		Mild	165
		Not Classifiable	3

*Numbers for 2009, updated as of 20 May 2010.*

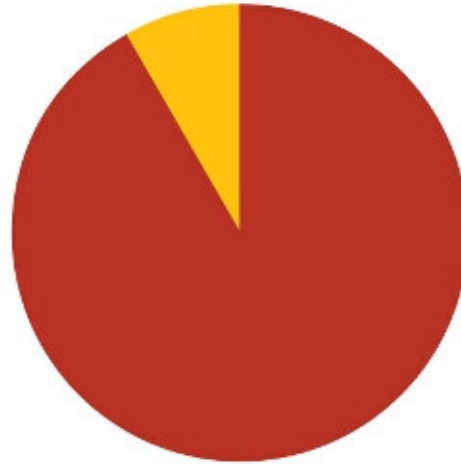
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)

Prepared by Armed Forces Health Surveillance Center (AFHSC)

## 2009: Marines Breakdown

### 2009 Marines

Active	3,530
Reserves	315
<b>TOTAL - Marines</b>	<b>3,845</b>



Service	Component	Severity	2009
Marines	Active	Penetrating	37
		Severe	42
		Moderate	407
		Mild	2,965
		Not Classifiable	79
	Reserves	Penetrating	2
		Severe	-
		Moderate	40
		Mild	264
		Not Classifiable	9

*Numbers for 2009, updated as of 20 May 2010.*

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)

Prepared by Armed Forces Health Surveillance Center (AFHSC)